

SEQUENCE LISTING

```

<110> Shionogi & Co., Ltd.
<120> A method for isolation of osteoclast precursor cells and a method for induction of their
        differentiation into osteoclasts.
<130> A005990
<140>
<141>
<160> 2
<170> PatentIn Ver. 2.0
<210> 1
<211> 467
<212> DNA
<213> Homo sapiens
<220>
<221> CDS
<222> (28)..(309)
<400> 1

```

cctgagaagg gacctgatttg cagcattc atg atg ggc ctc tcc ttg gcc tct gct 54
 Met Met Gly Leu Ser Leu Ala Ser Ala
 1 5

gtg ctc ctg gcc tcc ctc ctg agt ctc cac ctt gga act gcc aca cgt 102
Val Leu Leu Ala Ser Leu Ser Leu His Leu Gly Thr Ala Thr Arg
10 15 20 25

ggg agt gac ata tcc aag aoc tgc tgc ttc caa tac agc cac aag ccc 150
Gly Ser Asp Ile Ser Lys Thr Cys Cys Phe Gln Tyr Ser His Lys Pro
30 35 40

ctt ccc tgg acc tgg gtg cga agc tat gaa ttc acc agt aac agc tgc 198
 Leu Pro Trp Thr Trp Val Arg Ser Tyr Glu Phe Thr Ser Asn Ser Cys
 45 50 55

tcc cag cgg gct gtg ata ttc act acc aaa aga ggc aag aaa gtc tgt 246
Ser Gln Arg Ala Val Ile Phe Thr Thr Lys Arg Gly Lys Lys Val Cys
60 65 70

acc cat cca agg aaa aaa tgg gtg caa aaa tac att tct tta ctg aaa 294
Thr His Pro Arg Lys Lys Trp Val Gln Lys Tyr Ile Ser Leu Leu Lys
75 80 85

act ccg aaa caa ttg tgactcagct gaattgtcat ccgaggacgc ttggaccccg 349
Thr Pro Lys Gln Leu
90

ctcttggtc tgcagccctc tggggagcct gcggaatctt ttctgaaggc tacatggacc 409

cgctggggag gagaggggtgt ttctccag agttacttta ataaaggttg ttcatagt 467

```
<210> 2
<211> 94
<212> PRT
<213> Homo sapiens
<400> 2
```

Met Met Gly Leu Ser Leu Ala Ser Ala Val Leu Leu Ala Ser Leu Leu
1 5 10 15

Ser Leu His Leu Gly Thr Ala Thr Arg Gly Ser Asp Ile Ser Lys Thr
20 25 30

Cys Cys Phe Gln Tyr Ser His Lys Pro Leu Pro Trp Thr Trp Val Arg
35 40 45

Ser Tyr Glu Phe Thr Ser Asn Ser Cys Ser Gln Arg Ala Val Ile Phe
50 55 60

Thr Thr Lys Arg Gly Lys Lys Val Cys Thr His Pro Arg Lys Lys Trp
65 70 75 80

Val Gln Lys Tyr Ile Ser Leu Leu Lys Thr Pro Lys Gln Leu
85 90